AMENDMENTS

In the Claims

Please amend claims 1 and 8. A clean version is given below and a marked-up version showing the changes is attached.

1. (Four Times Amended) A method of manufacturing a sensor device comprising a circuit having organic thin films formed on surfaces of microelectrodes, and a transducing element capable of transducing change in electric impedance in connection with absorbing aromatic molecules inside the organic thin films into electric signals, the method comprising:

printing a solution of thin film material through an ink jet nozzle onto the surfaces of the microelectrodes such that organic thin films are formed on the microelectrodes,

wherein the solution comprises an electro-conductive polymer and a solvent,

wherein the ink jet nozzle has a piezo-electric element, the ink jet nozzle is a multi-line head nozzle, and the solution has a viscosity of about 3 centipoise or less,

wherein the step of printing the solution of thin film material comprises the steps of:

(a) deforming the piezo-element by delivering an electric signal to the piezo-element; and

(b) ejecting the solution via the ink jet nozzle to rest on the microelectrodes.

8. (Twice Amended) The method of claim 7 wherein the circuit comprises poly-silicon thin film transistors.